


ATTACHMENT 8  
BID/BIDDER CERTIFICATION SHEET

Only an individual who is authorized to bind the bidding firm contractually shall sign the Bid/Bidder Certification Sheet. The signature must indicate the title or position that the individual holds in the firm. This Bid/Bidder Certification Sheet must be signed and returned along with all "required attachments" as an entire package with original signatures. The bid must be transmitted in a sealed envelope in accordance with IFB instructions.

- A. Our all-inclusive bid is submitted in a sealed envelope marked "**Bid Submittal - Do Not Open**".
- B. All required attachments are included with this certification sheet.
- C. I have read and understand the DBE participation requirements and have included documentation demonstrating that I have met the participation goals.
- D. The signature affixed hereon and dated certifies compliance with all the requirements of this bid document. The signature below authorizes the verification of this certification.
- E. The signature and date affixed hereon certifies that this bid is a firm offer for a 90-day period.

**An Unsigned Bid/Bidder Certification Sheet May Be Cause for Bid Rejection**

1. Company Name Applied Materials & Engineering, Inc.	2. Telephone Number (510)420 8190	2a. Fax Number (510)420 8186
2b. Email Address info@appmateng.com		
3. Address 980 41st Street, Oakland, CA 94608		
Indicate your organization type:		
4. <input type="checkbox"/> Sole Proprietorship	5. <input type="checkbox"/> Partnership	6. <input checked="" type="checkbox"/> Corporation
Indicate the applicable employee and/or corporation number:		
7. Federal Employee ID No. (FEIN) 94-3055728	8. California Corporation No. C1603377	
Indicate the Department of Industrial Relations information:		
9. Contractor Registration Number 1000034605		
Indicate applicable license and/or certification information:		
10. Contractor's State Licensing Board Number N/A	11. PUC License Number CAL-T- N/A	
12. Bidder's Name (Print) Dushyant Manmohan	13. Title President	
14. Signature 	15. Date 01/19/2017	
16. Are you certified with the Department of General Services, Office of Small Business and Disabled Veteran Business Enterprise Services (OSDS) as:		
a. Small Business Enterprise Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
b. Disabled Veteran Business Enterprise Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
If yes, enter certification number: _____		
If yes, enter your service code below: _____		
<b>NOTE:</b> A copy of your Certification is required to be included if either of the above items is checked "Yes".		
Date application was submitted to OSDS, if an application is pending: _____		

ITEM NO.	ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM	UNIT PRICE (Price Per Unit of Measure)	TOTAL (Estimated Quantity x Unit Price)
1	15	One (1) Test	T-2 Standard Method of Test for Sampling Aggregates	\$380.00	\$5,700.00
2	350	One (1) Test	T-11 Material Finer than 200 Sieve in Mineral Aggregates by Washing	\$80.00	\$28,000.00
3	15	One (1) Test	T-19 Bulk Density ("Unit Weight") and Voids in Aggregate	\$90.00	\$1,350.00
4	600	One (1) Test	T-27 Sieve Analysis of Fine and Coarse Aggregates	\$130.00	\$78,000.00
5	125	One (1) Test	T-37 Sieve Analysis of Mineral Filler for Hot Mix Asphalt (HMA)	\$85.00	\$10,625.00
6	250	One (1) Test	T-84 Specific Gravity and Absorption of Fine Aggregate	\$130.00	\$32,500.00
7	250	One (1) Test	T-85 Specific Gravity and Absorption of Coarse Aggregate	\$110.00	\$27,500.00
8	150	One (1) Test	T-88 Particle Size Analysis of Soils	\$185.00	\$27,750.00
9	100	One (1) Test	T-89 Determining the Liquid Limit of Soils	\$120.00	\$12,000.00
10	150	One (1) Test	T-90 Determining the Plastic Limit and Plasticity Index of Soils	\$80.00	\$12,000.00
11	500	One (1) Test	T-96 Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine	\$200.00	\$100,000.00
12	750	One (1) Test	T-176 Plastic Fines in Graded Aggregates and Soils by use of the Sand Equivalent Test	\$80.00	\$60,000.00
13	150	One (1) Test	T-190 Resistance R-Value and Expansion Pressure of Compacted Soils	\$250.00	\$37,500.00
14	300	One (1) Test	T-210 Aggregate Durability Index	\$150.00	\$45,000.00
15	15	One (1) Test	T-248 Standard Method of Test for Reducing Samples of Aggregate to Testing Size	\$0.00	\$0.00
16	250	One (1) Test	T-265 Standard Method of Test for Laboratory Determination of Moisture Content of Soils	\$40.00	\$10,000.00
17	150	One (1) Test	T-288 Standard Method of Test for Determining Minimum Laboratory Soil Resistivity	\$70.00	\$10,500.00
18	150	One (1) Test	T-289 Standard Method of Test for Determining pH of Soil for Use in Corrosion Testing	\$60.00	\$9,000.00
19	500	One (1) Test	T-304 STANDARD METHOD OF TEST FOR UNCOMPACTED VOID CONTENT OF FINE AGGREGATE	\$100.00	\$50,000.00
20	750	One (1) Test	T-335 METHOD OF TEST FOR DETERMINING THE PERCENTAGE OF FRACTURE IN COARSE AGGREGATE	\$95.00	\$71,250.00
21	2500	One (1) Test	T-166 Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	\$25.00	\$62,500.00
22	15	One (1) Test	T-168 Sampling Bituminous Paving Mixtures	\$380.00	\$5,700.00
23	500	One (1) Test	T-209 Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA)	\$130.00	\$65,000.00
24	750	One (1) Test	T-275 Method of Test for Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt (HMA) Using Paraffin-Coated Specimens	\$25.00	\$18,750.00
25	250	One (1) Test	T-283 Method of Test for Resistance of Compacted Hot Mix Asphalt (HMA) to Moisture-Induced Damage	\$520.00	\$130,000.00
26	250	One (1) Test	T-308 Method of Test for Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method	\$150.00	\$37,500.00
27	750	One (1) Test	T-312 Method of Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	\$55.00	\$41,250.00
28	250	One (1) Test	T-324 Method of Test for Hamburg Wheel-Track Testing of Compacted Hot Mix Asphalt (HMA)	\$770.00	\$192,500.00
				TOTAL SHEET 1	\$1,181,875.00

ITEM NO.	ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM	UNIT PRICE (Price Per Unit of Measure)	TOTAL (Estimated Quantity x Unit Price)
29	250	One (1) Test	T-329 Method of Test for Moisture Content of Hot Mix Asphalt (HMA) by Oven Method	\$40.00	\$10,000.00
30	500	One (1) Test	D-4791 Flat and Elongated Particles	\$95.00	\$47,500.00
31	1	One (1) Test	CT-105 Calculations Pertaining to Gradings and Specific Gravities Cals (No Exp)	\$0.00	\$0.00
32	1	One (1) Test	CT-106 Definitions of Terms Relating to Specific Gravity S.G. Defs (No Exp)	\$0.00	\$0.00
33	1	One (1) Test	CT-125 Method of Test for Sampling Highway Materials and Products Used in the Roadway Structural Sections (AC)	\$380.00	\$380.00
34	1	One (1) Test	CT-210 Sample Prep (No Exp)	\$0.00	\$0.00
35	150	One (1) Test	CT-202 Method of Test for Sieve Analysis of Fine and Coarse Aggregates	\$130.00	\$19,500.00
36	50	One (1) Test	CT- 203 Mechanical Analysis of Soils	\$185.00	\$9,250.00
37	50	One (1) Test	CT-204 Method of Test for Liquid Limit Plastic Limit and Plasticity Index Soils	\$200.00	\$10,000.00
38	450	One (1) Test	CT-205 Method of Test for Determine Percentage of Crushed Particles	\$95.00	\$42,750.00
39	150	One (1) Test	CT- 206 Method of Test for Specific Gravity and Absorption of Coarse Aggregate	\$120.00	\$18,000.00
40	150	One (1) Test	CT-207 Method of Test for Specific Gravity and Absorption of Fine Aggregate	\$130.00	\$19,500.00
41	50	One (1) Test	CT 208 Method of Test for Apparent Specific Gravity of Fine Aggregate	\$130.00	\$6,500.00
42	300	One (1) Test	CT-211 Abrasion of Coarse Aggregate by Use of the Los Angeles Abrasion Testing Machine	\$200.00	\$60,000.00
43	75	One (1) Test	CT-212 Method of Test for Unit Weight of Aggregate	\$90.00	\$6,750.00
44	450	One (1) Test	CT-217 Method of Test for Sand Equivalent	\$80.00	\$36,000.00
45	150	One (1) Test	CT-226 Method of Test for Determination of Moisture Content of Soils and Aggregates by Oven Drying	\$40.00	\$6,000.00
46	150	One (1) Test	CT-227 Method of Test for Evaluating Cleanness of Coarse Aggregate	\$150.00	\$22,500.00
47	150	One (1) Test	CT-229 Method of Test for Durability Index	\$160.00	\$24,000.00
48	75	One (1) Test	CT-301 Method of Test for Determining the Resistance "R" Value of Treated and Untreated Bases, Subbases and Basement Soils by the Stabilometer	\$290.00	\$21,750.00
49	50	One (1) Test	CT-302 Method of Test for Film Stripping	\$200.00	\$10,000.00
50	450	One (1) Test	CT-304 Method of Preparation of HMA for Test Specimens	\$90.00	\$40,500.00
51	1	One (1) Test	CT-307 Method of Test for Moisture Vapor Susceptibility of Bituminous Mixtures	\$160.00	\$160.00
52	450	One (1) Test	CT-308 Method of Test for Determining Bulk Specific Gravity and Density of Compacted Hot Mix Asphalt	\$25.00	\$11,250.00
53	300	One (1) Test	CT-309 Method of Test for Theoretical Maximum Specific Gravity and Density of Hot Mix Asphalt	\$130.00	\$39,000.00
54	15	One (1) Test	CT-312 Designing and Testing Classes "A" and "B" Cement Treated Bases	\$500.00	\$7,500.00
55	450	One (1) Test	CT-366 Method of Test for Stabilometer Value	\$320.00	\$144,000.00
56	1	One (1) Test	CT-367 Method of Test for Determining Optimum Bitumen Content (OBC)	\$2,100.00	\$2,100.00
				TOTAL SHEET 2	\$614,890.00

ITEM NO.	ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM	UNIT PRICE (Price Per Unit of Measure)	TOTAL (Estimated Quantity x Unit Price)
57	30	One (1) Test	CT-368 Method of Test for Optimum Bitumen Content (OBC) for Open Graded Asphalt Concrete	\$900.00	\$27,000.00
58	5	One (1) Test	CT-371 Method of Test for Resistance of Compacted Bituminous Mixture to Moisture Induced Damage	\$1,200.00	\$6,000.00
59	10	One (1) Test	CT-373 Unconfined Compressive Strength of Lime Treated Soils and Aggregates	\$95.00	\$950.00
60	150	One (1) Test	CT-643 Method for Determining Field and Laboratory Resistivity and pH Measurements for Soil and Water	\$60.00	\$9,000.00
61	300	One (1) Test	CT-382 Determination of Asphalt Content of Bituminous Paving Mixtures by the Ignition Method	\$145.00	\$43,500.00

**Rates for Rush Requests**

62	32	One (1) Test	Same Day Rush (2 to 8 business hours) weekday or weekend for Test Method-T-166	\$45.00	\$1,440.00
63	50	One (1) Test	Next Day Rush weekday (24 hours) for Test Method-T-176	\$110.00	\$5,500.00
64	50	One (1) Test	Next Day Rush weekday, by noon (<24 hours) for Test Method-T-335	\$160.00	\$8,000.00
65	30	One (1) Test	Next Day Rush weekend (24 hours) for Test Method-T-275	\$45.00	\$1,350.00
66	30	One (1) Test	Next Day Rush weekend, by noon (<24 hours) for Test Method T- 312	\$95.00	\$2,850.00
67	30	One (1) Test	2-day Rush weekday (48 hours) for Test Method T-27	\$150.00	\$4,500.00
68	20	One (1) Test	2-day Rush weekday, by noon (<48 hours) for Test Method T-96	\$250.00	\$5,000.00
69	20	One (1) Test	2-day Rush weekend (48 hours) for Test Method T-304	\$280.00	\$5,600.00
70	20	One (1) Test	2-day Rush weekend by noon (<48 hours) for Test Method T-209	\$220.00	\$4,400.00
71	30	One (1) Test	3-day Rush weekday (72 hours) for Test Method D-4791	\$110.00	\$3,300.00
72	30	One (1) Test	3-day Rush weekday by noon (<72 hours) for Test Method CT-205	\$110.00	\$3,300.00
73	30	One (1) Test	3-day Rush weekend (72 hours) for Test Method CT-217	\$110.00	\$3,300.00
74	31	One (1) Test	3-day Rush weekend by noon (<72 hours) for Test Method CT-217	\$180.00	\$5,580.00
75	30	One (1) Test	4-day Rush weekday (96 hours) for Test Method CT-308	\$35.00	\$1,050.00
76	30	One (1) Test	4-day Rush weekday by noon (<96 hours) for Test Method CT-366	\$430.00	\$12,900.00
77	30	One (1) Test	4-day Rush weekend (96 hours) for Test Method T-11	\$90.00	\$2,700.00
78	30	One (1) Test	4-day Rush weekend by noon (<96 hours) for Test Method T-210	\$160.00	\$4,800.00
79	26	One (1) Test	5-day Standard Turn-Around-Time (TAT) for Test Method CT-105	\$0.00	\$0.00

(1) THE ABOVE QUANTITIES ARE ESTIMATES ONLY AND ARE GIVEN AS A BASIS FOR COMPARISON OF QUOTES. NO GUARANTEE IS MADE OR IMPLIED AS TO THE EXACT

QUANTITY THAT WILL BE NEEDED.

(2) IN CASE OF DISCREPANCY BETWEEN THE UNIT PRICE AND THE TOTAL SET FORTH FOR A UNIT BASIS ITEM, THE UNIT PRICE SHALL PREVAIL.

(3) TURNAROUND TIME (TAT) IS THE STANDARD FIVE (5) CALENDAR DAYS FOR EACH TEST, UNLESS SPECIFIED IN THE BID ITEM DESCRIPTION.

TOTAL SHEET 3	\$162,020.00
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TOTAL SHEET 1	\$1,181,875.00
TOTAL SHEET 2	\$614,890.00
TOTAL THIS PROPOSAL (SHEET 1, 2, AND 3)	\$1,958,785.00

ATTACHMENT 2

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

SUBCONTRACTING PROVISIONS/LIST

Form ADM 1511 (REV. 4/14)

List all subcontractors that will be used in this Agreement. All subcontractors listed below must be used in accordance with the Agreement. This includes, if applicable, compliance with the subcontracting provisions and any Disabled Veteran Business Enterprise (DVBE), Small Business (SB), Micro-Business, and Disadvantaged Business Enterprises (DBE) subcontractors. Attach a copy of the quote on the letterhead of the Certified SB, DVBE, or DBE subcontractor to this form. The quote will serve as written confirmation that the Certified SB, DVBE, or DBE is participating in the contract. If none, bidder to write "NONE" in this space.

NAME	BUSINESS ADDRESS	DESCRIPTION OF PORTION OF WORK WHICH WILL BE DONE BY EACH CONTRACTOR*
Terracon Consultants, Inc.	5075 Commercial Cir, Concord, CA 94520	Laboratory testing of asphalt mixtures.

## DISADVANTAGED BUSINESS ENTERPRISE (DBE) INFORMATION

ADM-0227F (Rev. 06/2012) Page 1 of 2 (CONTRACTS FEDERALLY FUNDED IN WHOLE OR IN PART)

**PART A - CONTRACTORS INFORMATION** (Refer to Instructions on Page 2 of this form. Bidders/Proposer shall ensure all information provided is complete and accurate.)

CONTRACTOR'S BUSINESS NAME		Applied Materials & Engineering, Inc.		CONTRACT DOLLAR AMOUNT		DATE	
				04A5053		1/19/2017	
CONTRACTOR'S BUSINESS ADDRESS		980 41st Street		CITY		STATE	
				Oakland		CA	
CONTACT PERSON		BUSINESS PHONE		FAX NUMBER		ZIP CODE	
						94608	

**PART B – DBE INFORMATION AND DOCUMENTATION** (Refer to Instructions in Page 2 of this form. Bidder/Proposer shall verify DBE certifications.) Contractor shall attach a copy of the bid (or price quote) from the DBE (on the DBE's Letterhead) for all DBEs listed below.

[illegible]

**PART C – FOR CAL TRANS USE ONLY (Verification Completed by Civil Rights, Office of Business and Economic Opportunity):**

PRINT VERIFIER'S NAME AND TITLE		SIGNATURE	DATE	CIVIL RIGHTS STAMP OF APPROVED
Dusyant Manmohan, President			1/19/2017	
DBE PARTICIPATION				
<input checked="checked" type="checkbox"/> YES (100 %) <input type="checkbox"/> NO				

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) INFORMATION**

ADM-0227F (Rev. 06/2012) Page 2 of 2

AUTHORITY: Title 49, Code of Federal Regulations, Part 26 (49 CFR 26)

INSTRUCTIONS FOR COMPLETING FORM ADM-0227F (Please Type or Print Legibly):

**PART A – CONTRACTOR INFORMATION****CONTRACTOR'S BUSINESS INFORMATION:** Bidder's/Proposer's Business Name, Address, City, State, Zip Code, Contact Person, Business Phone, Fax Number, and Email Address.**Agreement Number:** The Agreement number is the same number as the Invitation for Bid (IFB) or Request for Proposal (RFP) number.**CONTRACT DOLLAR AMOUNT:** Total dollar amount that Contractor proposes to accomplish the Agreement.**Date:** Date this form is completed.**PART B – DBE INFORMATION AND DOCUMENTS****PRIME:** Complete if Prime is a certified DBE.**Sub-Contractor:** Complete if the Subcontractor(s)/Supplier(s) are certified DBE. Please make and attach additional copies of page 1 if needed. Attach a copy of the bid (or price quote) from the DBE (on the DBE's Letterhead) for all DBEs listed.

- Column 1 Enter the names (includes all certified DBE Prime and Subcontractors) and complete addresses of all certified DBE Contractor/Subcontractor/Supplier(s) that will be used in the Agreement.
- Column 2 Enter the area code and phone number of the corresponding certified DBE listed in Column 1.
- Column 3 Enter the Contracting Tier number for each DBE correspondingly listed in Column 1: 0 = Prime or Joint Consultant, 1 = Primary Subcontractor, 2 = Subcontractor/Supplier of level 1 Primary Subcontractor.
- Column 4 Enter a description that briefly captures the work to be performed or supplies to be provided by each corresponding DBE firm listed in Column 1.
- Column 5 Enter the DBE or CUCP Certification Number for the corresponding DBE listed in Column 1. Self-certification is NOT acceptable. DBEs must be certified by the submittal date identified in the IFB or RFP. For more certification and verification information, refer to the IFB's or RFP's Notice to Bidders/Proposers Disadvantaged Business Enterprise (DBE) Program Goal.
- Column 6 Enter the correct Ownership Code number below for the corresponding DBE listed in Column B.
- 1 = Black American                      4 = Asian-Pacific American                      7 = Woman  
2 = Hispanic American                      5 = Subcontinent Asian American                      8 = Other  
3 = Native American                      6 = Caucasian                      9 = Not Applicable

Column 7-8 Enter the dollar and/or percentage (%) of the dollar (\$) value claimed for each corresponding DBE listed in Column 1.  
**EXAMPLE:****PART B – DBE INFORMATION AND DOCUMENTATION** (Refer to Instructions in Page 2 of this form. Bidder/Proposer shall verify DBE certifications.)

(1) List Name(s) and addresses of all DBEs that will participate in this Agreement	(2) Area Code & Phone Number	(3) Tier	(4) Description of Work, Services, or Material Supplied	(5) DBE or CUCP Certification Number	(6) Ownership Code	(7) DBE\$ Amount Claimed	(8) % of \$ Value Claimed	(9) Caltrans Use Only %
1B Jane Prime Inc., 1234 Jane's Street, Jane's City, CA 04321	(xxx) 000-1111	0	Project management	XXXXXXXX	7, 5	48,000	48%	
2B Joe Subcontractor Inc., 4567 Joe's Street, Joe's City, CA 07654	(xxx) 111-0000	1	Design, surveys, environmental testing	000000000000	6	42,000	42%	
Supplier International LLC, 1100 X Street, Supplier's City, CA 45670	(111) xxx-0001	2	Survey instruments, testing materials	111111111111	3	10,000	10%	

**ADDITIONAL INFORMATION:**

- Form ADM-0312F should be submitted with the ADM-0227F to demonstrate good faith efforts (GFE) AND protect bidder's/proposer's eligibility for contract award in the event Caltrans determines the bidder/proposer failed to meet goal.
- A DBE joint venture partner shall submit the joint venture agreement with the form ADM-0227F.


**ADA Notice:** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-88, Sacramento, CA 95814.

ATTACHMENT 8  
BID/BIDDER CERTIFICATION SHEET

Only an individual who is authorized to bind the bidding firm contractually shall sign the Bid/Bidder Certification Sheet. The signature must indicate the title or position that the individual holds in the firm. This Bid/Bidder Certification Sheet must be signed and returned along with all "required attachments" as an entire package with original signatures. The bid must be transmitted in a sealed envelope in accordance with IFB instructions.

- A. Our all-inclusive bid is submitted in a sealed envelope marked "Bid Submittal - Do Not Open".
- B. All required attachments are included with this certification sheet.
- C. I have read and understand the DBE participation requirements and have included documentation demonstrating that I have met the participation goals.
- D. The signature affixed hereon and dated certifies compliance with all the requirements of this bid document. The signature below authorizes the verification of this certification.
- E. The signature and date affixed hereon certifies that this bid is a firm offer for a 90-day period.

**An Unsigned Bid/Bidder Certification Sheet May Be Cause for Bid Rejection**

1. Company Name Applied Materials & Engineering, Inc.	2. Telephone Number (510)420 8190	2a. Fax Number (510)420 8186
2b. Email Address info@appmateng.com		
3. Address 980 41st Street, Oakland, CA 94608		
Indicate your organization type:		
4. <input type="checkbox"/> Sole Proprietorship	5. <input type="checkbox"/> Partnership	6. <input checked="" type="checkbox"/> Corporation
Indicate the applicable employee and/or corporation number:		
7. Federal Employee ID No. (FEIN) 94-3055728	8. California Corporation No. C1603377	
Indicate the Department of Industrial Relations information:		
9. Contractor Registration Number 1000034605		
Indicate applicable license and/or certification information:		
10. Contractor's State Licensing Board Number N/A	11. PUC License Number CAL-T- N/A	
12. Bidder's Name (Print) Dushyant Manmohan	13. Title President	
14. Signature 	15. Date 01/19/2017	
16. Are you certified with the Department of General Services, Office of Small Business and Disabled Veteran Business Enterprise Services (OSDS) as:		
a. Small Business Enterprise Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
b. Disabled Veteran Business Enterprise Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
If yes, enter certification number: _____		
If yes, enter your service code below: _____		

**NOTE:** A copy of your Certification is required to be included if either of the above items is checked "Yes".

Date application was submitted to OSDS, if an application is pending: \_\_\_\_\_



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7	250	One (1) Test	T-85 Specific Gravity and Absorption of Coarse Aggregate	\$110.00	\$27,500.00
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11	500	One (1) Test	T-96 Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in Los Angeles Machine	\$200.00	\$100,000.00
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18	150	One (1) Test	T-289 Standard Method of Test for Determining pH of Soil for Use in Corrosion Testing	\$60.00	\$9,000.00
19	500	One (1) Test	T-304 STANDARD METHOD OF TEST FOR UNCOMPACTED VOID CONTENT OF FINE AGGREGATE	\$100.00	\$50,000.00
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22	15	One (1) Test	T-168 Sampling Bituminous Paving Mixtures	\$380.00	\$5,700.00
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25	250	One (1) Test	T-283 Method of Test for Resistance of Compacted Hot Mix Asphalt (HMA) to Moisture-Induced Damage	\$520.00	\$130,000.00
26	250	One (1) Test	T-308 Method of Test for Determining the Asphalt Binder Content of Hot Mix Asphalt (HMA) by the Ignition Method	\$150.00	\$37,500.00
27	750	One (1) Test	T-312 Method of Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	\$55.00	\$41,250.00
28	250	One (1) Test	T-324 Method of Test for Hamburg Wheel-Track Testing of Compacted Hot Mix Asphalt (HMA)	\$770.00	\$192,500.00
				TOTAL SHEET 1	\$1,181,875.00

ITEM NO.	ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM	UNIT PRICE (Price Per Unit of Measure)	TOTAL (Estimated Quantity x Unit Price)
29	250	One (1) Test	T-329 Method of Test for Moisture Content of Hot Mix Asphalt (HMA) by Oven Method	\$40.00	\$10,000.00
30	500	One (1) Test	D-4791 Flat and Elongated Particles	\$95.00	\$47,500.00
31	1	One (1) Test	CT-105 Calculations Pertaining to Gradings and Specific Gravities Cals (No Exp)	\$0.00	\$0.00
32	1	One (1) Test	CT-106 Definitions of Terms Relating to Specific Gravity S.G. Defs (No Exp)	\$0.00	\$0.00
33	1	One (1) Test	CT-125 Method of Test for Sampling Highway Materials and Products Used in the Roadway Structural Sections (AC)	\$380.00	\$380.00
34	1	One (1) Test	CT-210 Sample Prep (No Exp)	\$0.00	\$0.00
35	150	One (1) Test	CT-202 Method of Test for Sieve Analysis of Fine and Coarse Aggregates	\$130.00	\$19,500.00
36	50	One (1) Test	CT-203 Mechanical Analysis of Soils	\$185.00	\$9,250.00
37	50	One (1) Test	CT-204 Method of Test for Liquid Limit Plastic Limit and Plasticity Index Soils	\$200.00	\$10,000.00
38	450	One (1) Test	CT-205 Method of Test for Determine Percentage of Crushed Particles	\$95.00	\$42,750.00
39	150	One (1) Test	CT-206 Method of Test for Specific Gravity and Absorption of Coarse Aggregate	\$120.00	\$18,000.00
40	150	One (1) Test	CT-207 Method of Test for Specific Gravity and Absorption of Fine Aggregate	\$130.00	\$19,500.00
41	50	One (1) Test	CT-208 Method of Test for Apparent Specific Gravity of Fine Aggregate	\$130.00	\$6,500.00
42	300	One (1) Test	CT-211 Abrasion of Coarse Aggregate by Use of the Los Angeles Abrasion Testing Machine	\$200.00	\$60,000.00
43	75	One (1) Test	CT-212 Method of Test for Unit Weight of Aggregate	\$90.00	\$6,750.00
44	450	One (1) Test	CT-217 Method of Test for Sand Equivalent	\$80.00	\$36,000.00
45	150	One (1) Test	CT-226 Method of Test for Determination of Moisture Content of Soils and Aggregates by Oven Drying	\$40.00	\$6,000.00
46	150	One (1) Test	CT-227 Method of Test for Evaluating Cleanness of Coarse Aggregate	\$150.00	\$22,500.00
47	150	One (1) Test	CT-229 Method of Test for Durability Index	\$160.00	\$24,000.00
48	75	One (1) Test	CT-301 Method of Test for Determining the Resistance "R" Value of Treated and Untreated Bases, Subbases and Basement Soils by the Stabilometer	\$290.00	\$21,750.00
49	50	One (1) Test	CT-302 Method of Test for Film Stripping	\$200.00	\$10,000.00
50	450	One (1) Test	CT-304 Method of Preparation of HMA for Test Specimens	\$90.00	\$40,500.00
51	1	One (1) Test	CT-307 Method of Test for Moisture Vapor Susceptibility of Bituminous Mixtures	\$160.00	\$160.00
52	450	One (1) Test	CT-308 Method of Test for Determining Bulk Specific Gravity and Density of Compacted Hot Mix Asphalt	\$25.00	\$11,250.00
53	300	One (1) Test	CT-309 Method of Test for Theoretical Maximum Specific Gravity and Density of Hot Mix Asphalt	\$130.00	\$39,000.00
54	15	One (1) Test	CT-312 Designing and Testing Classes "A" and "B" Cement Treated Bases	\$500.00	\$7,500.00
55	450	One (1) Test	CT-366 Method of Test for Stabilometer Value	\$320.00	\$144,000.00
56	1	One (1) Test	CT-367 Method of Test for Determining Optimum Bitumen Content (OBC)	\$2,100.00	\$2,100.00
				TOTAL SHEET 2	\$614,890.00

ITEM NO.	ESTIMATED QUANTITY	UNIT OF MEASURE	ITEM	UNIT PRICE (Price Per Unit of Measure)	TOTAL (Estimated Quantity x Unit Price)
57	30	One (1) Test	CT-368 Method of Test for Optimum Bitumen Content (OBC) for Open Graded Asphalt Concrete	\$900.00	\$27,000.00
58	5	One (1) Test	CT-371 Method of Test for Resistance of Compacted Bituminous Mixture to Moisture Induced Damage	\$1,200.00	\$6,000.00
59	10	One (1) Test	CT-373 Unconfined Compressive Strength of Lime Treated Soils and Aggregates	\$95.00	\$950.00
60	150	One (1) Test	CT-643 Method for Determining Field and Laboratory Resistivity and pH Measurements for Soil and Water	\$60.00	\$9,000.00
61	300	One (1) Test	CT-382 Determination of Asphalt Content of Bituminous Paving Mixtures by the Ignition Method	\$145.00	\$43,500.00

**Rates for Rush Requests**

62	32	One (1) Test	Same Day Rush (2 to 8 business hours) weekday or weekend for Test Method-T166	\$45.00	\$1,440.00
63	50	One (1) Test	Next Day Rush weekday (24 hours) for Test Method-T-176	\$110.00	\$5,500.00
64	50	One (1) Test	Next Day Rush weekday, by noon (<24 hours) for Test Method-T-335	\$160.00	\$8,000.00
65	30	One (1) Test	Next Day Rush weekend (24 hours) for Test Method-T-275	\$45.00	\$1,350.00
66	30	One (1) Test	Next Day Rush weekend, by noon (<24 hours) for Test Method T-312	\$95.00	\$2,850.00
67	30	One (1) Test	2-day Rush weekday (48 hours) for Test Method T-27	\$150.00	\$4,500.00
68	20	One (1) Test	2-day Rush weekday, by noon (<48 hours) for Test Method T-96	\$250.00	\$5,000.00
69	20	One (1) Test	2-day Rush weekend (48 hours) for Test Method T-304	\$280.00	\$5,600.00
70	20	One (1) Test	2-day Rush weekend by noon (<48 hours) for Test Method T-209	\$220.00	\$4,400.00
71	30	One (1) Test	3-day Rush weekday (72 hours) for Test Method D-4791	\$110.00	\$3,300.00
72	30	One (1) Test	3-day Rush weekday by noon (<72 hours) for Test Method CT-205	\$110.00	\$3,300.00
73	30	One (1) Test	3-day Rush weekend (72 hours) for Test Method CT-217	\$110.00	\$3,300.00
74	31	One (1) Test	3-day Rush weekend by noon (<72 hours) for Test Method CT-217	\$180.00	\$5,580.00
75	30	One (1) Test	4-day Rush weekday (96 hours) for Test Method CT-308	\$35.00	\$1,050.00
76	30	One (1) Test	4-day Rush weekday by noon (<96 hours) for Test Method CT-366	\$430.00	\$12,900.00
77	30	One (1) Test	4-day Rush weekend (96 hours) for Test Method T-11	\$90.00	\$2,700.00
78	30	One (1) Test	4-day Rush weekend by noon (<96hours) for Test Method T-210	\$160.00	\$4,800.00
79	26	One (1) Test	5-day Standard Turn-Around-Time (TAT) for Test Method CT-105	\$0.00	\$0.00

(1) THE ABOVE QUANTITIES ARE ESTIMATES ONLY AND ARE GIVEN AS A BASIS FOR COMPARISON OF QUOTES. NO GUARANTEE IS MADE OR IMPLIED AS TO THE EXACT

QUANTITY THAT WILL BE NEEDED.

(2) IN CASE OF DISCREPANCY BETWEEN THE UNIT PRICE AND THE TOTAL SET FORTH FOR A UNIT BASIS ITEM, THE UNIT PRICE SHALL PREVAIL.

(3) TURNAROUND TIME (TAT) IS THE STANDARD FIVE (5) CALENDAR DAYS FOR EACH TEST, UNLESS SPECIFIED IN THE BID ITEM DESCRIPTION.

TOTAL SHEET 3 \$162,020.00

TOTAL SHEET 1	\$1,181,875.00
TOTAL SHEET 2	\$614,890.00
TOTAL THIS PROPOSAL (SHEET 1, 2, AND 3)	\$1,958,785.00

ATTACHMENT 2

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

SUBCONTRACTING PROVISIONS/LIST

Form ADM 1511 (REV. 4/14)

List all subcontractors that will be used in this Agreement. All subcontractors listed below must be used in accordance with the Agreement. This includes, if applicable, compliance with the subcontracting provisions and any Disabled Veteran Business Enterprise (DVBE), Small Business (SB), Micro-Business, and Disadvantaged Business Enterprises (DBE) subcontractors. Attach a copy of the quote on the letterhead of the Certified SB, DVBE, or DBE subcontractor to this form. The quote will serve as written confirmation that the Certified SB, DVBE, or DBE is participating in the contract. If none, bidder to write "NONE" in this space.

NAME	BUSINESS ADDRESS	DESCRIPTION OF PORTION OF WORK WHICH WILL BE DONE BY EACH CONTRACTOR*
Terracon Consultants, Inc.	5075 Commercial Cir, Concord, CA 94520	Laboratory testing of asphalt mixtures.



STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) INFORMATION**

ADM-0227F (Rev. 06/2012) Page 2 of 2

AUTHORITY: Title 49, Code of Federal Regulations, Part 26 (49 CFR 26)

INSTRUCTIONS FOR COMPLETING FORM ADM-0227F (Please Type or Print Legibly):

**PART A – CONTRACTOR INFORMATION****CONTRACTOR'S BUSINESS INFORMATION:** Bidder's/Proposer's Business Name, Address, City, State, Zip Code, Contact Person, Business Phone, Fax Number, and Email Address.**Agreement Number:** The Agreement number is the same number as the invitation for Bid (IFB) or Request for Proposal (RFP) number.**CONTRACT DOLLAR AMOUNT:** Total dollar amount that Contractor proposes to accomplish the Agreement.**Date:** Date this form is completed.**PART B – DBE INFORMATION AND DOCUMENTS****PRIME:** Complete if Prime is a certified DBE.**Sub-Contractor:** Complete if the Subcontractor(s)/Supplier(s) are certified DBE. Please make and attach additional copies of page 1 if needed. Attach a copy of the bid (or price quote) from the DBE (on the DBE's Letterhead) for all DBEs listed.

- Column 1 Enter the names (includes all certified DBE Prime and Subcontractors) and complete addresses of all certified DBE Contractor/Subcontractor/Supplier(s) that will be used in the Agreement.
- Column 2 Enter the area code and phone number of the corresponding certified DBE listed in Column 1.
- Column 3 Enter the Contracting Tier number for each DBE correspondingly listed in Column 1: 0 = Prime or Joint Consultant, 1 = Primary Subcontractor, 2 = Subcontractor/Supplier of level 1 Primary Subcontractor.
- Column 4 Enter a description that briefly captures the work to be performed or supplies to be provided by each corresponding DBE firm listed in Column 1.
- Column 5 Enter the DBE or CUCP Certification Number for the corresponding DBE listed in Column 1. Self-certification is NOT acceptable. DBEs must be certified by the submittal date identified in the IFB or RFP. For more certification and verification information, refer to the IFB's or RFP's Notice to Bidders/Proposers Disadvantaged Business Enterprise (DBE) Program Goal.
- Column 6 Enter the correct Ownership Code number below for the corresponding DBE listed in Column B.
- 1 = Black American                      4 = Asian-Pacific American                      7 = Woman  
2 = Hispanic American                      5 = Subcontinent Asian American                      8 = Other  
3 = Native American                      6 = Caucasian                      9 = Not Applicable

Column 7-8 Enter the dollar and/or percentage (%) of the dollar (\$) value claimed for each corresponding DBE listed in Column 1.

**EXAMPLE:**

**PART B – DBE INFORMATION AND DOCUMENTATION** (Refer to Instructions in Page 2 of this form. Bidder/Proposer shall verify DBE certifications.)

(1) List Name(s) and addresses of all DBEs that will participate in this Agreement:	(2) Area Code & Phone Number	(3) Tier	(4) Description of Work, Services, or Material Supplied	(5) DBE or CUCP Certification Number	(6) Ownership Code	(7) DBE\$ Amount Claimed	(8) % of \$ Value Claimed	(9) Caltrans Use Only %
1B Jane Prime Inc., 1234 Jane's Street, Jane's City, CA, 04321	(XXX) 000-1111	0	Project management	XXXXXXXX	7, 5	48,000	48%	
2B Joe Subcontractor Inc., 4567 Joe's Street, Joe's City, CA, 07654	(XXX) 111-0000	1	Design, surveys, environmental testing	000000000000	6	42,000	42%	
Supplier International I.L.C., 1100 X Street, Supplier's City, CA, 45670	(111) XXX-0001	2	Survey instruments, testing materials	111111111111	3	10,000	10%	

**ADDITIONAL INFORMATION:**

- Form ADM-0312F should be submitted with the ADM-0227F to demonstrate good faith efforts (GFE) AND protect bidder's/proposer's eligibility for contract award in the event Caltrans determines the bidder/proposer failed to meet goal.
- A DBE joint venture partner shall submit the joint venture agreement with the form ADM-0227F.

**ADA Notice:** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 854-6410 or TDD (916) 854-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.